

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

480220.407

APPLICATION NO.

10/712,820

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Lane A. Bray et al.

FILING DATE

November 12, 2003

GROUP ART UNIT

3736

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/JL/	AA	3,706,689	12/19/72	Haskins	252	301.1R	
	AB	5,071,610	12/10/91	Hagan et al.	264	120	
	AC	5,368,736	11/29/94	Horwitz et al.	210	635	
	AD	5,512,256	04/30/96	Bray et al.	423	2	
	AE	5,749,042	05/05/98	Bray et al.	423	2	
	AF	6,139,749	10/31/00	Goken et al.	210	651	
	AG	6,309,614	10/30/01	Horwitz et al.	423	2	
	AH	6,479,920	11/12/02	Lal et al.	310	309	
	AI	6,589,502	07/08/03	Coniglione et al.	424	1.25	
	AJ	2003/0088146	05/08/03	Slater et al.	600	8	
	AK	2003/0092959	05/15/03	Slater et al.	600	8	
	AL	2004/0076579	04/22/04	Coniglione et al.	424	1.11	
/JL/	AM	2004/0236169	11/25/04	Slater et al.	600	8	

FOREIGN PATENT DOCUMENTS

	AN	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
/JL/	AO	JP 01-254900	10/11/89	Japan (+ English Abstract)		X
/JL/	AP	WO 01/80251	10/25/01	WIPO		
/JL/	AQ	WO 2004/053892	06/21/04	WIPO		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/JL/	AR	3M Empore™ Rad Disks Product Listing, 1998. Available at http://www.mmm.com/empore , downloaded March 11, 2004.
/JL/	AS	Balmer, M.L. et al., "New Silicotitanate Waste Forms: Development and Characterization," Interfacial and Processing Sciences Annual Report 1999. Available at http://www.pni.gov/microcats/aboutus/publications/microsystems/annual_report1999 . Downloaded September 19, 2004.

EXAMINER

/John Lacyk/

DATE CONSIDERED

09/04/2007

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BA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
BB					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/JL/	BC	Cary, A., "PNL gel may charge drug obstacles," <i>Tri-City Herald</i> , March 30, 2001. Available at http://www.tri-cityherald.com . Downloaded October 8, 2004.
	BD	Harper, P.V. et al., "Isotopes Decaying by Electron Capture: a New Modality in Brachytherapy," in <i>Proceedings of the International Conference on the Peaceful Uses of Atomic Energy</i> , Geneva Switzerland, 1958, pp.417-422.
	BE	Henschke, U.K. et al., "Cesium-131 Seeds for Permanent Implants," <i>Radiology</i> 85(6): 1117-1119, December 1965.
	BF	Hobbs, D.T., "Strategic Design and Optimization of Inorganic Sorbents for Cesium, Strontium, and Actinides," Westinghouse Savannah River Company Report WSRC-RP-2002-00337. Available at http://www.osti.gov/bridge . Downloaded October 5, 2005.
	BG	Hodgman, C.D. (ed.), " <i>Handbook of Chemistry and Physics, 31st edition</i> ," Chemical Rubber Publishing Co., Cleveland, OH, pages 408-409, 1949.
	BH	Hodgman, C.D. (ed.), " <i>Handbook of Chemistry and Physics, 31st edition</i> ," Chemical Rubber Publishing Co., Cleveland, OH, pages 524-525, 1949.
	BI	Kraus and Nelson, "Anion Exchange Studies of the Fission Products," in <i>Proc. Int. Conf. Peaceful Uses of Atomic Energy</i> , vol. 7, Geneve, 1955, pgs. 113-125.
	BJ	Kurath, D.E. et al., "Ion Exchange Removal of Cesium from Simulated and Actual Hanford Tanks 241-SY-101 and 241-SY-103," in <i>Proceedings of the International Topical Meeting on Nuclear and Hazardous Waste Management Spectrum '96</i> , August 18-23, 1996, Seattle, Washington, American Nuclear Society, La Grange Park, IL, 1996, pp. 222-228.
	BK	Naumann, R.A. et al., "Preparation of Radioactive Targets for Charged-Particle Nuclear Spectroscopy at the CERN-ISOLDE Project," <i>Nuclear Instruments and Methods in Physics Research B26</i> : 59-64, 1987.
/JL/	BL	pSiVida Company, BioSilicon internet web pages. Available at http://www.psivida.com.au/text . Downloaded November 3, 2004.

EXAMINER /John Lacyk/	DATE CONSIDERED 09/04/2007
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U.S. PATENT DOCUMENTS

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CA						

FOREIGN PATENT DOCUMENTS

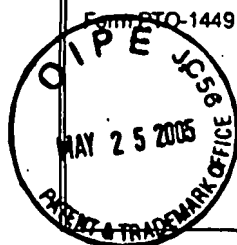
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
CB					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/JL/	CC	Smith, L.L. et al., "Application of Empore™ Strontium Rad Disks to the Analysis of Radiostrontium in Environmental Water Samples," <i>Radiochimica Acta</i> 73:165-170, 1996
/JL/	CD	Wike, J.S. et al., "Chemistry for Commercial Scale Production of Yttrium-90 for Medical Research," <i>International Journal of Radiation Applications and Instrumentation Part A</i> , 41(9): 861-865, 1990.
/JL/	CE	Willard and Goodspeed, "Separation of Strontium, Barium, and Lead from Calcium and Other Metals," <i>Industrial and Engineering Chemistry</i> 8(6):414-418, 1936.
	CF	
	CG	
	CH	
	CI	
	CJ	
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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
IS6-001SERIAL NO.
10/12,820LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT: IsoRay, Inc.

FILING DATE
November 12, 2003GROUP
3737

U.S. PATENT DOCUMENTS

*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/JL/	AA	6,485,406	11/26/2002	Ziegler et al.			
	AB	6,689,043	2/10/2004	McIntire et al.			
	AC	5,342,283	8/30/1994	Good			
	AD	6,666,811	12/23/2003	Good			
	AE	6,099,457	8/8/2000	Good			
	AF	6,306,074	10/23/2001	Waksman et al.			
	AG	5,899,882	5/4/1999	Waksman et al.			
	AH	5,683,345	11/4/1997	Waksman et al.			
	AI	6,821,242	11/23/2004	Waksman et al.			
	AJ	6,503,185	1/7/2003	Waksman et al.			
/JL/	AK	6,458,070	10/1/2002	Waksman et al.			

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
/JL/	AL	WO 00/51136	8/31/2000	PCT				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

/JL/	AM		PCT/US2004/029477; Filed September 8, 2004; Search Report; 6 pps.
	AN		
EXAMINER /John Lacyk/		DATE CONSIDERED 09/04/2007	
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U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/JL/	AA	6,099,458	8/8/2000	Robertson			
	AB	1,753,287	4/8/1930	Failla			
	AC	4,891,165	1/2/1990	Suthanthiran			
	AD	4,323,055	4/6/1982	Kubiatowicz			
	AE	6,403,916	6/11/2002	Spooner et al.			
	AF	6,749,554	6/15/2004	Snow et al.			
	AG	6,351,049	11/7/1967	Chassoulier et al.			
	AH	5,405,309	4/11/1995	Carden, Jr.			
	AI	2002/0162828	11/7/2002	Spooner et al.			
	AJ	2004/0192999	9/30/2004	Waksman et al.			
	AK	2003/0229259	12/11/2003	Waksman et al.			
	AL	2004/0242953	12/2/2004	Good			
	AM	2004/0097779	5/20/2004	McIntyre et al.			
/JL/	AN	2002/0022781	2/21/2002	McIntyre et al.			

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)		
	AP	
EXAMINER	DATE CONSIDERED	
/John I acyk/	09/04/2007	

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	AA						
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FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AJ							
	AK							
	AL							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
/JL/	AM		"Radiation protection – Sealed radioactive sources – Leakage test methods", International Standard, ISO 9978:1992(E), First Edition, February 15, 1992.
/JL/	AN		"Radiation protection – Sealed radioactive sources – General requirements and classification", International Standard, ISO 2919:1999(E), Second Edition, February 15, 1999.
/JL/	AO		R. Braun et al., "Crystalline Silicotitanates – Novel Commercial Cesium Ion Exchangers", UOP, pp. 1-12, pre-November 2003.
EXAMINER /John Lacyk/		DATE CONSIDERED 09/04/2007	

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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. IS6-001		SERIAL NO. Unknown	
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				FILING DATE Filed Herewith		GROUP Unknown	
U.S. PATENT DOCUMENTS							
Examiner's Initials	Class	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/JL/	AA	1,753,287	04/08/30	Failla			
	AB	3,351,049	11/07/67	Lawrence			
	AC	4,323,055	04/06/82	Kubiatowicz			
	AD	4,702,228	10/27/87	Russell, Jr. et al.			
	AE	4,784,116	11/15/88	Russell, Jr. et al.			
	AF	4,891,165	01/02/90	Suthanthiran			
	AG	4,994,013	02/19/91	Suthanthiran et al.			
	AH	5,163,896	11/17/92	Suthanthiran et al.			
/JL/	AJ	5,405,309	04/11/95	Carden, Jr.			
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							Yes No
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	AK						
	AL						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
/JL/	AM		Heintz et al., <i>Comparison of I-125 sources used for permanent interstitial implants</i> , 28 MED. PHYS., No. 4,				
			pp. 671-682 (April 2001).				
/JL/	AN		Korb et al., <i>Modern Brachytherapy for Localized Prostate Cancers: The Northwest Hospital (Seattle)</i>				
			<i>Experience</i> , 3 Reviews in Urology, No. 1, pp. 51-60 (Winter 2001).				
	AO						
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Examiner's Initials	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
/JL/	AA	6,060,036	05/09/00	Armini			
	AB	6,066,302	05/23/00	Bray			
	AC	6,099,457	08/08/00	Good			
	AD	6,099,458	08/08/00	Robertson			
	AE	6,403,916 B1	06/11/02	Spooner et al.			
	AF	6,471,632 B1	10/29/02	Jahmarkt et al.			
	AG	6,554,756 B1	04/29/03	Schaart			
/JL/	AH	6,608,227 B2	08/19/03	Spooner et al.			
	AI						

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					Yes	No	
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